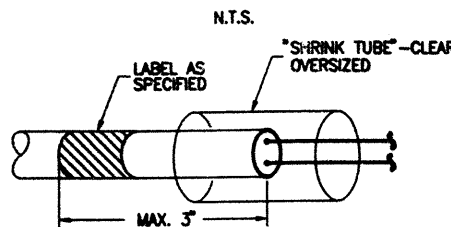


TYPICAL CABLE LABELING METHOD

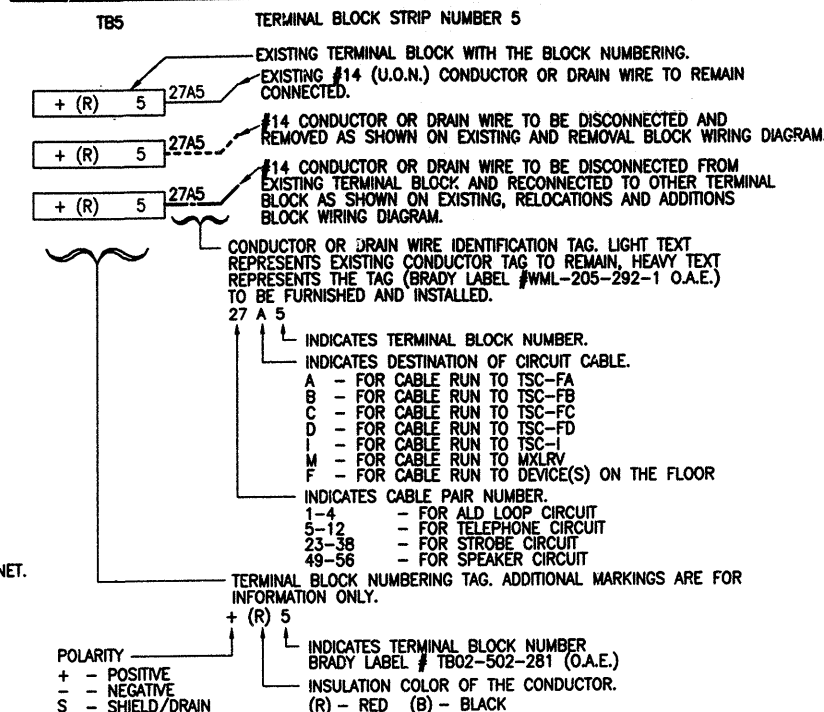


- APPLY LABEL TO OUTER JACKET OF CABLE
MAXIMUM OF 3" FROM STRIPPED END AS SHOWN
NOT TO BE COVERED BY OVERSIZED SHRINK
- DETAIL APPLIES TO ALL CABLE TYPES

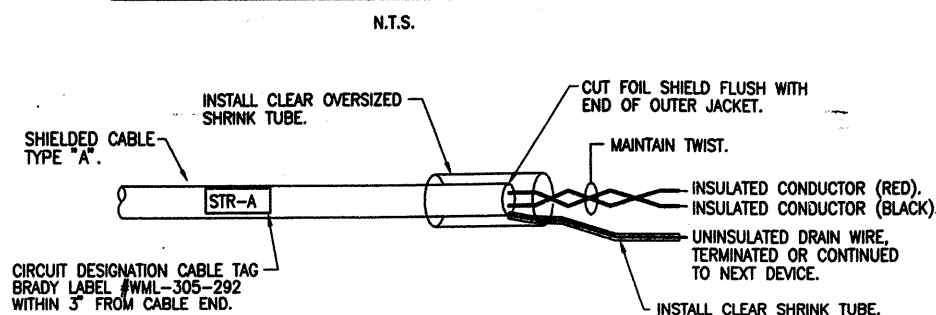
CIRCUIT LEGEND:

TYPE OF CIRCUIT	CIRCUIT DESIGNATION	CIRCUIT NUMBER OR NAME
STR	STROBE CIRCUIT	A TO G - STROBE OR SPEAKER CIRCUIT NUMBER
SPK	SPEAKER CIRCUIT	ATC - CIRCUIT TO ADDRESSABLE TERMINAL STRIP CABINET
ALD	ALD LOOP DEVICE CIRCUIT (EXCEPT SMOKE DETECTOR)	PS - CIRCUIT TO PULL STATIONS
TEL	TELEPHONE CIRCUIT	ELEV - CIRCUIT TO ELEVATOR LOBBY AND ELEVATOR
SD	SMOKE DETECTOR CIRCUIT	WDR - MACHINE ROOM SMOKE DETECTORS
MPJ	MAINTENANCE PHONE JACK CIRCUIT	HVAC - CIRCUIT TO HVAC SMOKE DETECTOR
WP	WARDEN TELEPHONE CIRCUIT	AREA - CIRCUIT TO OPEN AREA SMOKE DETECTOR
SJ	STAND PIPE PHONE JACK CIRCUIT	IC - INTERFACE CABINET CIRCUIT
		TIB - TENANT INTERFACE BOX

TERMINATION LEGEND (EXISTING AND REMOVAL)



TYPICAL SHIELD/DRAIN INSULATING METHOD "A"



NOTES:

- FOR LEGEND, ABBREVIATIONS & GENERAL NOTES, SEE DWG E-1.
- ALL SHIELDS MUST BE ISOLATED FROM GROUND. APPROVED "SHRINK" TUBING SHALL BE USED ON ALL DRAIN CONDUCTORS. SEE TYPICAL SHIELD/DRAIN INSULATING METHOD "A" ON THIS DWG.
- ALL WIRING SHALL BE FREE OF GROUND FAULTS, OPENS, SHORTS & STRAY VOLTAGES.
- ALL WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.
- DISCONNECT AND COMPLETELY REMOVE CABLES FROM BOTH ENDS. ALL WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.
- DISCONNECT AND REMOVE FROM TSC CABINET, LEAVE COILED IN CEILING. MARK AS "UNUSED". ALL WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.

Sheet 79 of 84

THE PORT AUTHORITY
OF NEW YORK AND
LIBERTY

ENGINEERING PROGRAM MANAGER
WORLD TRADE
CENTER
CHIEF ELECTRICAL ENGINEER

No. Date Revision Approved

ENGINEERING DEPARTMENT

WORLD
TRADE
CENTER

ELECTRICAL

Title
FIRE ALARM SYSTEM
DEVICE UPGRADE
PHASE III
5 WTC 3rd, 4th, 5th & 6th FLOORS

7th FLOOR TSC-FA
BLOCK WIRING DIAGRAM
EXISTING AND REMOVAL

This drawing subject to conditions in Contract. All
inventions, ideas, designs and methods herein are
reserved to Port Authority and may not be used
without its written consent.

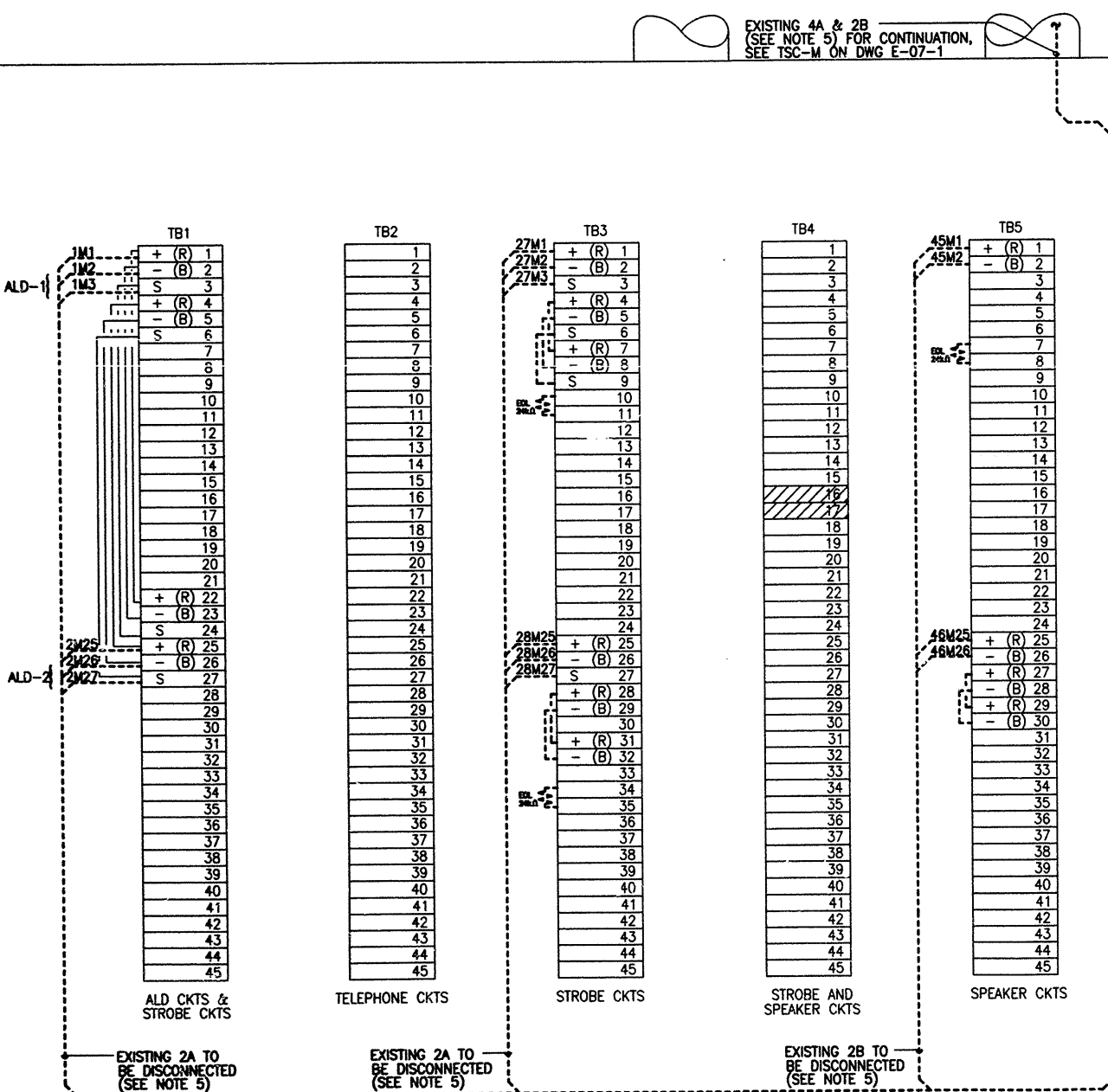
S. FELDSTEIN N. PALACIOS A.S.
Designed by Drawn by Checked by

NOVEMBER 26, 1999
Date

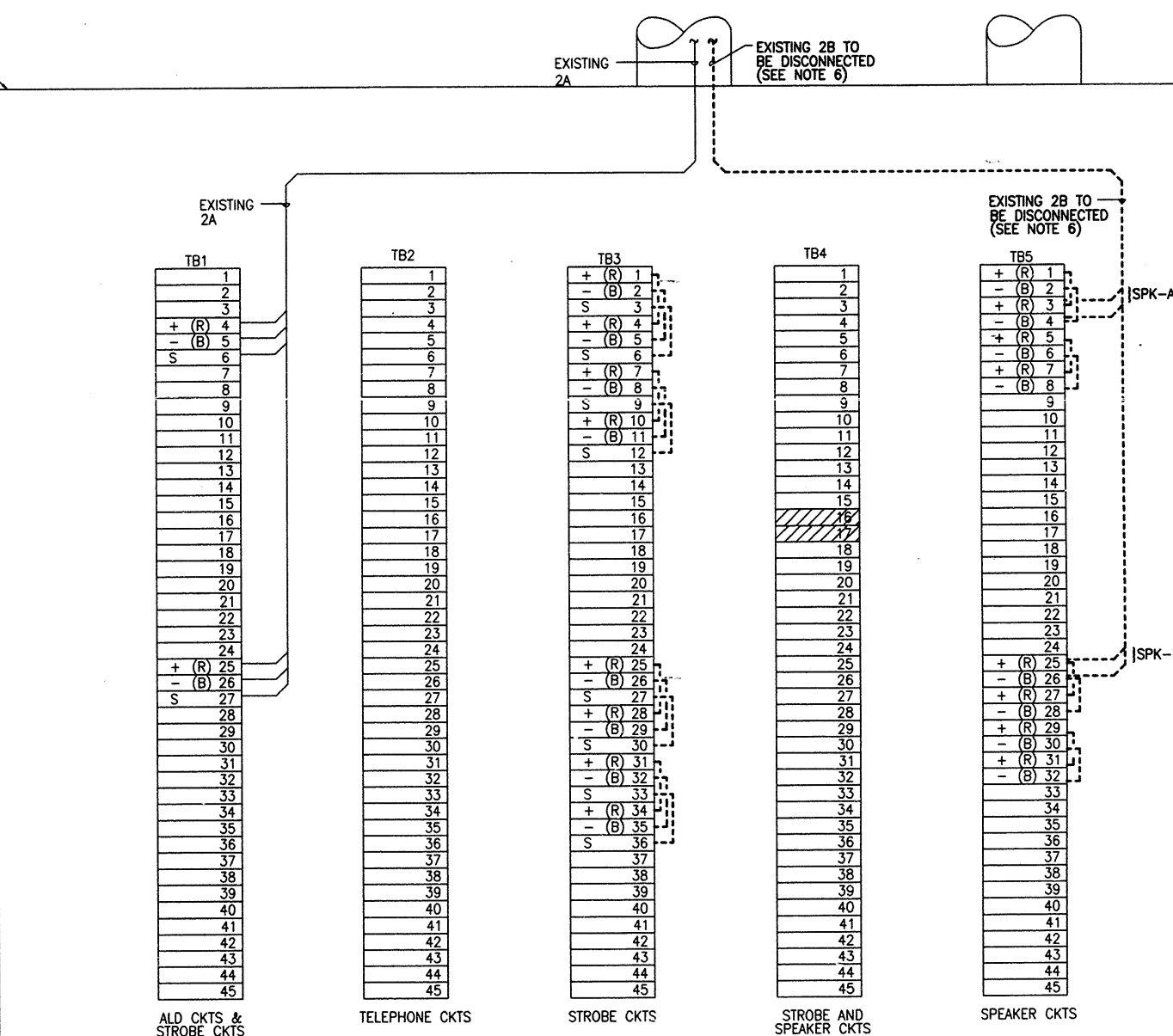
WTC-861.573
Contract Number Drawing Number

E-07-3

TSC-F-SYSTEM WIRING EXISTING AND REMOVAL



TSC-F-FIELD WIRING EXISTING AND REMOVAL



I HEREBY CERTIFY THAT THIS IS A TRUE AND
CORRECT COPY OF ONE OF THE CONTRACT
DRAWINGS CONSTITUTING A PART OF
CONTRACT NO. WTC-861.573 IN
THE FORM IN WHICH SAID DRAWINGS
EXISTED AT THE TIME THE SAID CONTRACT
WAS EXECUTED BY THE PARTIES.

DATE 11/10/99 CONTRACT ENGINEER

DATE 2/10/00 ENGINEERING PROGRAM MGR.